

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-235765

(43)Date of publication of application : 31.08.2001

(51)Int.Cl.

G02F 1/1368
H01L 29/786

(21)Application number : 2000-045810

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(22)Date of filing : 23.02.2000

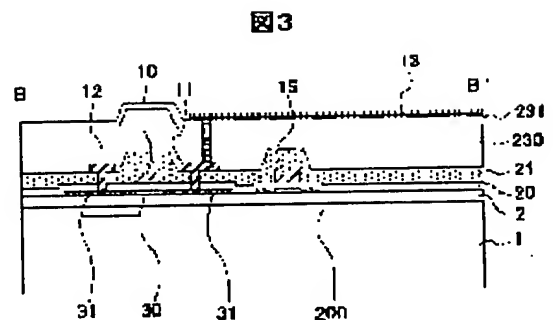
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(54) LIQUID CRYSTAL DISPLAY DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a liquid crystal display device having a high aperture ratio and showing less deterioration in the picture quality.

SOLUTION: A pixel electrode 13 and a signal line electrode 12 are overlapped with an insulating film in-between. As for the insulating film, the device has a porous silica film 230 having ≤ 2.5 dielectric constant and a protective insulating film 231 of a Si_3N_4 film, and this decreases the parasitic capacitance between the pixel electrode 13 and the signal line electrode 12 and prevents shadowing in an image due to the crosstalk of signals.



LEGAL STATUS

[Date of request for examination]

18.11.2003

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]